ted: Wed, Feb 19, 1992 11:46 AM EST Msg: IJJC-1701-7330
m: LCARPENTER To: MODIS.DATA.TEAM
j: MODIS SDST Minutes 02/07/92

DIS Science Data Support Team (SDST) Meeting Minutes 02/07/92

TENDEES: Phil Ardanuy RDC 982-3714
Rich Bredeson 423 286-9338
Lloyd Carpenter RDC 982-3708
Larry Fishtahler CSC 464-3385
Al Fleig 900 286-7747
Harold Geller MCST/RDC 982-3740
Tom Goff RDC 982-3704
Liam Gumley RDC 982-3748
Janine Harrison 920 286-5324
Lou Kouvaris Hughes 464-7365
Ed Masuoka 920 286-7608
Jim Ormsby 974 286-6811
Steve Ungar 923/MCST 286-4007
Wil Webster 920.2 286-4506

XT MEETING: Date Time Building Room

Friday, February 21 10:00 am 22 271

PLEASE NOTE CHANGE IN MEETING LOCATION !!!

meeting was held on Friday, February 14, 1992.

PICS:

MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley reported on the continuing processing of MAS data from the FIRE experime
ring the week a discrepancy was discovered between the times recorded by the MAS instrument clock and the Inertial Navigation Syste
S) clock. The recorded time difference amounts to 80 seconds for the December 5, 1991 flight. The time difference is estimated by cro
relating the roll data from the MAS and INS instruments, but this process does not yield the offset of either clock from an accepte
erence. Both clocks normally receive time information from a GOES receiver on board the aircraft, but apparently this information is n
ays available. Disagreement between the two clocks will lead to errors in geolocation based on the INS data, unless the time offset
ermined, and a correction is applied. For some atmospheric applications the geolocation error may not be significant, and for la
lications the error may be compensated by manually adjusting the MAS imagery to an overlaid map. However, for an automated syste
offset must be determined and applied to the INS based geolocation.

d chamber tests of the MAS done at Ames show significant changes (with temperature) in the sensitivity of some MAS channels. Th
es emphasis to the need for in-flight characterization.

Ormsby will work with Harold Geller to get official definitions of "earth location", "registration", etc. for use by the SDST.

ROGRAMMING CODE REVIEW: Tom Goff reported on an informal internal review (PDR) of the file dump utility mentioned in earli
etings. The Perl system for producing automatic documentation from source listings is being considered as a tool for use on MOD
orithms.
updated listing of the FDUMP C routine was included in the handout.
contents of the standard "notice" and author/sponsor information for SDST generated code were discussed. Assistance from the GSF
ent Counsel should be forthcoming.

l Webster is putting together a code review board using flight code procedures as a starting point.

SDST SCHEDULE: There was an extended discussion of the SDST schedule with emphasis on proper correlation with the EOS Scien
tware and EOSDIS Core System (ECS) Implementation Schedule. Rich Bredeson presented the latest version of his preliminary schedu
phasizing key dates for the ECS, the science software, and the EOSDIS. Phil Ardanuy and Lloyd Carpenter presented an updated draft of t
ST Schedule for calendar years 1992 through 1998. The two schedules seem to be consistent when properly interpreted. The need for
ly start on software development is clearly indicated.

TION ITEMS:

30/91 [Lloyd Carpenter and Team]: Draft a schedule of work for the next 12 months. Include primary events and milestones, documents
produced, software development, MAS support, etc. (An updated draft schedule was presented at the meeting.) STATUS: Open. Due da
27/91.

06/91 [Liam Gumley]: Investigate a cataloguing scheme for the MAS data. Consider the Master Catalogue, PLDS and PCDS. STATU
en. Due date 02/14/92.

06/91 [Liam Gumley, Tom Goff, Ed Masuoka]: Develop a plan for storing and distributing MAS data. STATUS: Open. Due da
14/92.
03/92 [Ed Masuoka]: Check on the UCAR "copyright" as a first step in standardizing an SDST software copyright statement for co
ring. Check with legal. (The GSFC Patent Counsel's office is developing the statement.) STATUS: Open. Due date 02/14/92.

03/92 [Team]: Check on the set of software engineering tools available in Code 530 to see if any of these would be of use to the SDS
ATUS: Open. Due date 02/14/92.

17/92 [Tom Goff]: Have a polished version (with peer review) of the file dump routine ready for the MODIS Science Team Meetin
ATUS: Open. Due date 04/01/92.